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STATEMENT BY APPLICANT

Date Submitted: January 14, 2005

(use as many sheets as necessary)

2 1 of

Sheet

Complete if Known			
Application Number	10/619,877		
Filing Date	7/15/2003		
First Named Inventor	Eric N. Paton		
Group Art Unit	2822		
Examiner Name	Christy L. Novacek		
Attorney Docket Number	039153-0642 (H0970)		

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No.1	. U.S. Patent Doci	Kind Code ² (if	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
OV		110 0000/0450404	known)	Ob. A. a. a.	00/44/0000	, .gu. oo . ppou.
CX		US-2003/0153161		Chut et al.	08/14/2003	
CX		6,559,015		Yu	05/06/2003	
$\mathcal{C}_{\mathcal{S}}$		US-2003/0068883		Ajmera et al.	04/10/2003	
CX.		6,506,654		Wei et al.	01/14/2003	
CX_		6,444,532		Hasegawa	09/03/2002	
ČX.		6,365,476		Talwar et al.	04/02/2002	
$\mathcal{O}_{\mathcal{K}}$		US-2001/0003364		Sugawara et al.	06/14/2001	
CK		6,184,097		Yu	02/06/2001	
CK		6,153,484		Donaton et al.	11/28/2000	
Žχ		6,030,863		Chang et al.	02/29/1996	
CX		5,915,196	_	Mineji	06/22/1999	
OS		5,915,182		Wu	06/22/1999	
(X)		5,858,843		Doyle et al.	01/12/1999	
OK.		5,856,225		Lee et al.	01/05/1999	
CX		5,825,066		Buynoski	10/20/1998	
OK T		5,736,446		Wu	04/07/1998	
OV.		5,716,681		Moslehi	02/10/1998	
CX		5,675,159		Oku, et al.	10/07/1997	
7/1		5,595,919		Pan	01/21/1997	
7X		5,593,907		Anjum et al.	01/14/1997	
OX		5,491,099	•	Hsu	02/13/1996	
		5,429,956		Shell et al.	07/04/1995	
CX.		5,391,510		Hsu et al.	02/21/1995	
73		5,374,575		Kim et al.	12/20/1994	
(7)	- "-	5,264,382		Watanabe	11/23/1993	
OX		4,784,718		Mitani et al.	11/15/1988	
OX		4,727,038		Watabe et al.	02/23/1988	
CX		4,745,082		Kwok	05/17/1988	· · · · · · · · · · · · · · · · · · ·

FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cite No. ¹	Foreign Patent I Office ³ Number ⁴	Document Kind Code ⁵ (if known)	Name of Patentee or Applicant of Cited Documents	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
_CX		10-270685		Japan	10/1998		
		5-160396		Japan	06/25/1993		
OX.		4-123439		Japan	09/14/1990		
$\mathcal{L} \cap \mathcal{K}$		3-248433		Japan	02/29/1990		

Examiner Signature Clust Hovacek	Date Considered	2/2/05	
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	Substitute f	or form 1449B/	/PTO		Complete if Known		
	INFORMAT	ION DISCLO	SURE	Application Number	10/619,877		
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				Group Art Unit	2822		
(use as many sheets as necessary)			cessary)	Examiner Name	Christy L. Novacek		
Sheet	2	of	2	Attorney Docket Number	039153-0642 (H0970)		

NON PATENT LITERATURE DOCUMENTS						
Examiner Initials*	Cite . No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	†6			
OX.		International Electron Devices Meeting 1997, "Sub-100nm Gate Length Metal Gate NMOS Transistors Fabricated by a Replacement Gate Process" by Chatterjee et al, pages 821-824.				
OX		International Electron Devices Meeting 1999, "70nm MOSFET with Ultra-Shallow, Abrupt, and super-Doped S/D Extension Implemented by Laser Thermal Process (LTP)" by Yu et al, pages 509-512.				

Examiner Signature	Chusty Howacek	Date Considered	2/2/05

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